

Title (en)

METHOD OF MANUFACTURING A FIN PLATE HEAT EXCHANGER AND FIN PLATE HEAT EXCHANGER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES RIPPEN-PLATTEN-WÄRMETAUSCHERS UND RIPPEN-PLATTEN-WÄRMETAUSCHER

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉCHANGEUR DE CHALEUR À PLAQUE À NERVURES ET ÉCHANGEUR DE CHALEUR À PLAQUE À NERVURES

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Abstract (en)

[origin: WO2021259516A1] The invention relates to a method (200) for producing a plate-fin heat exchanger (100), wherein a heat exchanger block (20) which has heat exchanger passages (1) is provided, and a header (7) is attached to the heat exchanger block (20), said header (7) being formed at least partly using an additive manufacturing method. The header (7) is formed using the additive manufacturing method such that at least one section of a cross-sectional line of a wall surface (71, 72) of the header (7) has a curved course at a cross-sectional position, said course deviating from a circular section and an elliptical section,. The invention likewise relates to a correspondingly designed heat exchanger (200).

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